

Notice of Allowability

Application No.

09/519,069

Applicant(s)

FRAZIER, GARY A.

Examiner

Huy D. Nguyen

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/24/2006.
2. ☒ The allowed claim(s) is/are 1-13, 16-29 and 32-63.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Brian W. Peterman on 7/20/2006.

The application has been amended as follows:

Claim 1, line 10: after "antenna elements", "may" has been canceled; -- can -- has been inserted.

Claim 17, line 10: after "antenna elements", "may" has been canceled; -- can -- has been inserted.

Claim 33, line 8: after "antenna elements", "may" has been canceled; -- can -- has been inserted.

Claim 33, line 18: after "antenna elements", "may" has been canceled; -- can -- has been inserted.

Claim 42, line 8: after "antenna elements", "may" has been canceled; -- can -- has been inserted.

Claim 53, line 7: after "antenna elements", "may" has been canceled; -- can -- has been inserted.

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Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

Regarding claims 1, 9, 17, 25, 33, 35, 42, 48, 53, 59, the cited prior arts, either alone or in combination, fail to teach or suggest synchronization circuitry coupled to the digital to analog converter to receive and then output data to the digital to analog converter at an output clock rate; wherein the output clock rate for the synchronization circuit matches the clock signal controlling the digital to analog converter, in combination with all of other limitations in the claims.

Claims 2-8 depend on claim 1. Thus, claims 2-8 are allowable.

Claims 10-13, 16 depend on claim 9. Thus, claims 10-13, 16 are allowable.

Claims 18-24 depend on claim 17. Thus, claims 18-24 are allowable.

Claims 26-29, 32 depend on claim 25. Thus, claims 26-29, 32 are allowable.

Claim 34 depends on claim 33. Thus, claim 34 is allowable.

Claims 36-41 depend on claim 35. Thus, claims 36-41 are allowable.

Claims 43-47 depend on claim 42. Thus, claims 43-47 are allowable.

Claims 49-52 depend on claim 48. Thus, claims 49-52 are allowable.

Claims 54-58 depend on claim 53. Thus, claims 54-58 are allowable.

Claims 60-63 depend on claim 59. Thus, claims 60-63 are allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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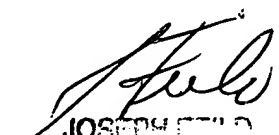
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huy D. Nguyen whose telephone number is 571-272-7845. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Huy D Nguyen
Patent Examiner
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JOSEPH H. FEILD
SUPERVISORY PATENT EXAMINER